INSTALLATION OF NIBP PUMP AND BRACKET WITH POWER MODULE ON NM4

INSTALLATION PROCEDURE

NOTE: This procedure supersedes earlier instructions for installation of NIBP pump brackets without the power module.

NOTE: Use proper ESD control during all removal and installation procedures.

CAUTION: Do not connect or disconnect the ribbon cable to the NIBP assembly with power applied.

1. Turn the System Power switch to STANDBY.

2. Disconnect the following items from the patient interface panel on the left side of the monitor box:

   -Remote display cable
   -BP Cuff and BP Gauge lines
   -Pulse Oximeter and sensor cable

3. Remove the disposable reservoir from its holder.

4. Remove the seven screws holding the monitor box cover, and carefully lift the cover from the monitor box.

5. Disconnect the ribbon cable from the NIBP assembly, and disconnect the other end of the cable from J9 on the backplane. This cable will not be re-used.

6. Disconnect the BP cuff hose from the NIBP pump assembly. Retain the hose clamp for reinstallation of the NIBP asssembly.

7. Remove the NIBP ground wire from the monitor chassis.

8. For earlier machines with a vertically mounted NIBP assembly, loosen the four captive mounting screws and remove the assembly from the monitor chassis. Proceed to Step 9.

   If the machine has the NIBP assembly mounted horizontally on a flat baseplate, remove the NIBP assembly from the baseplate. Leave the baseplate attached to the monitor chassis and proceed to Step 10.

9. Attach the flat baseplate (P/N 4112063) to the rubber bushings using four 8-32 x ¼ in. flat head screws (P/N HW05007) as shown in Figure 1.

10. Install adapter terminal P/N 4107068 on the ground stud in the monitor chassis as shown in the detail in Figure 2. Ensure that there is a lockwasher on each side of the adapter terminal.

INSTALLATION PROCEDURE (continued)

11. Install the two 6-32 x 5/16 in. shouldered screws (P/N 4111199-003) into the flat base plate in the two holes closest to the machine as shown in Figure 1.

12. From the rear of the machine, install the new NIBP assembly (P/N SE4112249) onto the baseplate by placing the slotted holes over the shouldered screws in the baseplate and sliding the assembly forward. Tighten the two captive mounting screws on the NIBP assembly.

13. Attach the quick disconnect end of the NIBP ground wire to the terminal adapter that was previously installed on the monitor chassis. See Figure 2.

14. Install the new ribbon cable (P/N 4112222) from J1 on the NIBP power module to J9 on the NM4 backplane. DO NOT use the original cable that was previously removed.

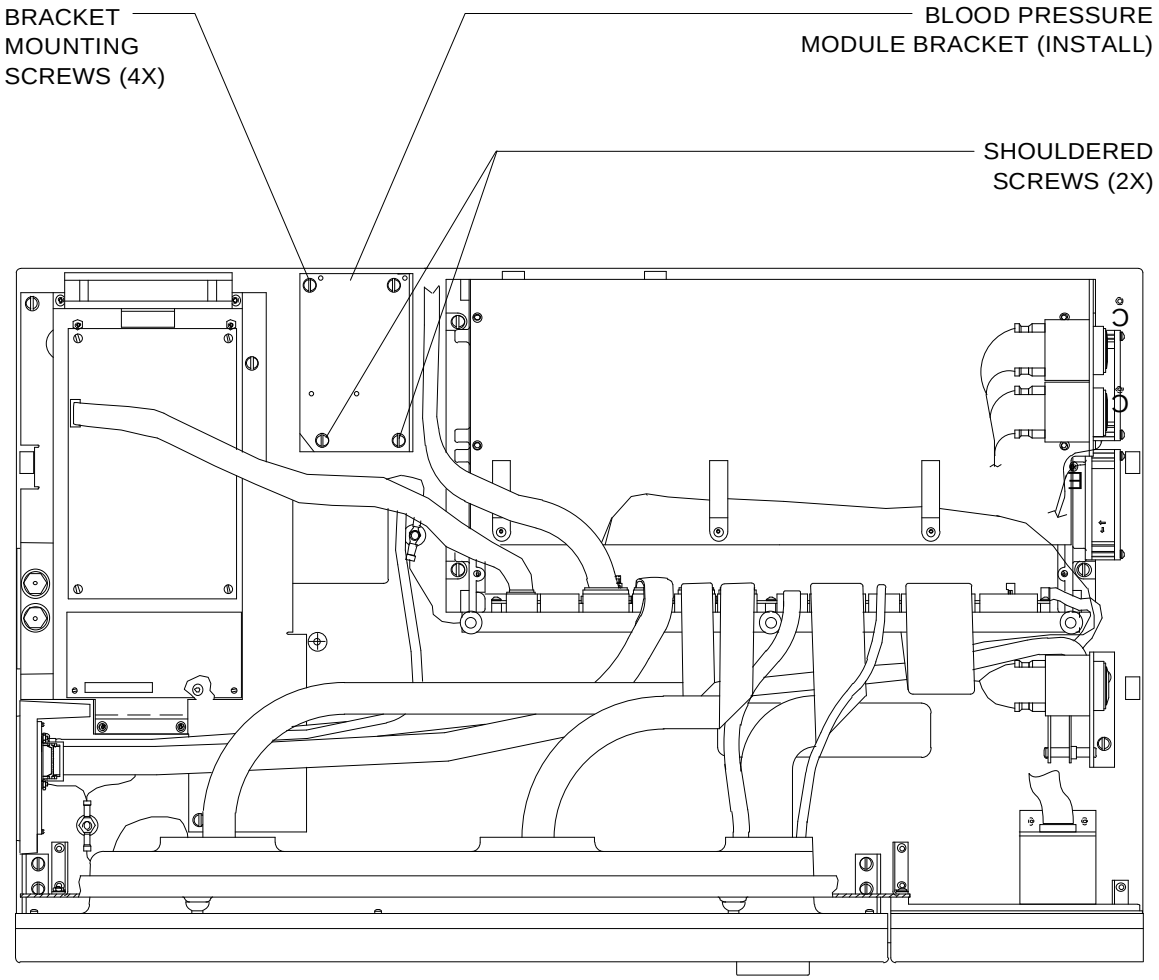
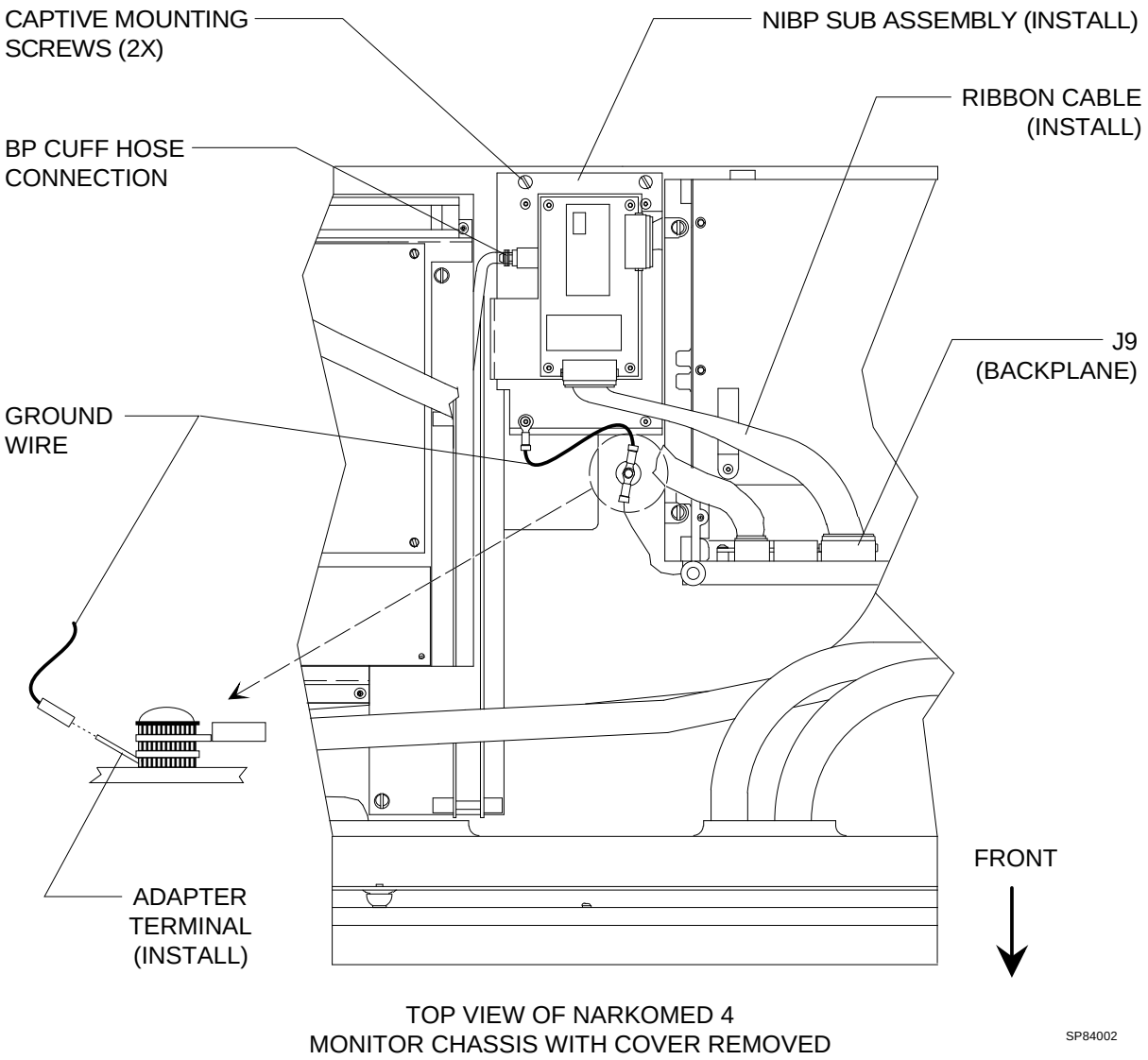


Figure 1: NIBP BRACKET INSTALLATION

INSTALLATION PROCEDURE (continued)



TOP VIEW OF NARKOMED 4
MONITOR CHASSIS WITH COVER REMOVED

Figure 2: NIBP ASSEMBLY INSTALLATION

INSTALLATION PROCEDURE (continued)

15. Connect the BP cuff hose to the hose barb on the NIBP pump and secure it with the hose clamp that was previously removed.

16. Remove the power supply circuit board compartment cover from the rear of the machine. See Figure 3.

17. Disconnect the wiring harness connector from J2 on the power supply circuit board assembly.

18. Loosen the screws at locations 16 and 18 on the connector. Move the wht/yel wire from location 18 to location 16 (with the purple wire). Tighten the screws at locations at locations 16 and 18.

19. Re-connect the wire harness to J2 on the power supply circuit board.

20. Reinstall the power supply circuit board compartment cover with the screws that were previously removed.

21. Connect a BP cuff at the interface on the side of the monitor housing. Turn the System Power switch to ON. Select the NIBP monitor service screen and run the diagnostic tests to ensure that the NIBP assembly is working properly.

22. Turn the System Power switch to STANDBY and disconnect the BP cuff.

23. Reinstall the monitor box cover with the screws that were previously removed.

24. Reconnect the following items to the patient interface panel on the left side of the monitor box:

    -Remote Display Cable
    -BP Cuff and BP Gauge lines
    -Pulse Oximeter and sensor cable

25. Install the disposable reservoir into its holder.

26. Perform a complete PMS procedure on the machine.

INSTALLATION PROCEDURE (continued)

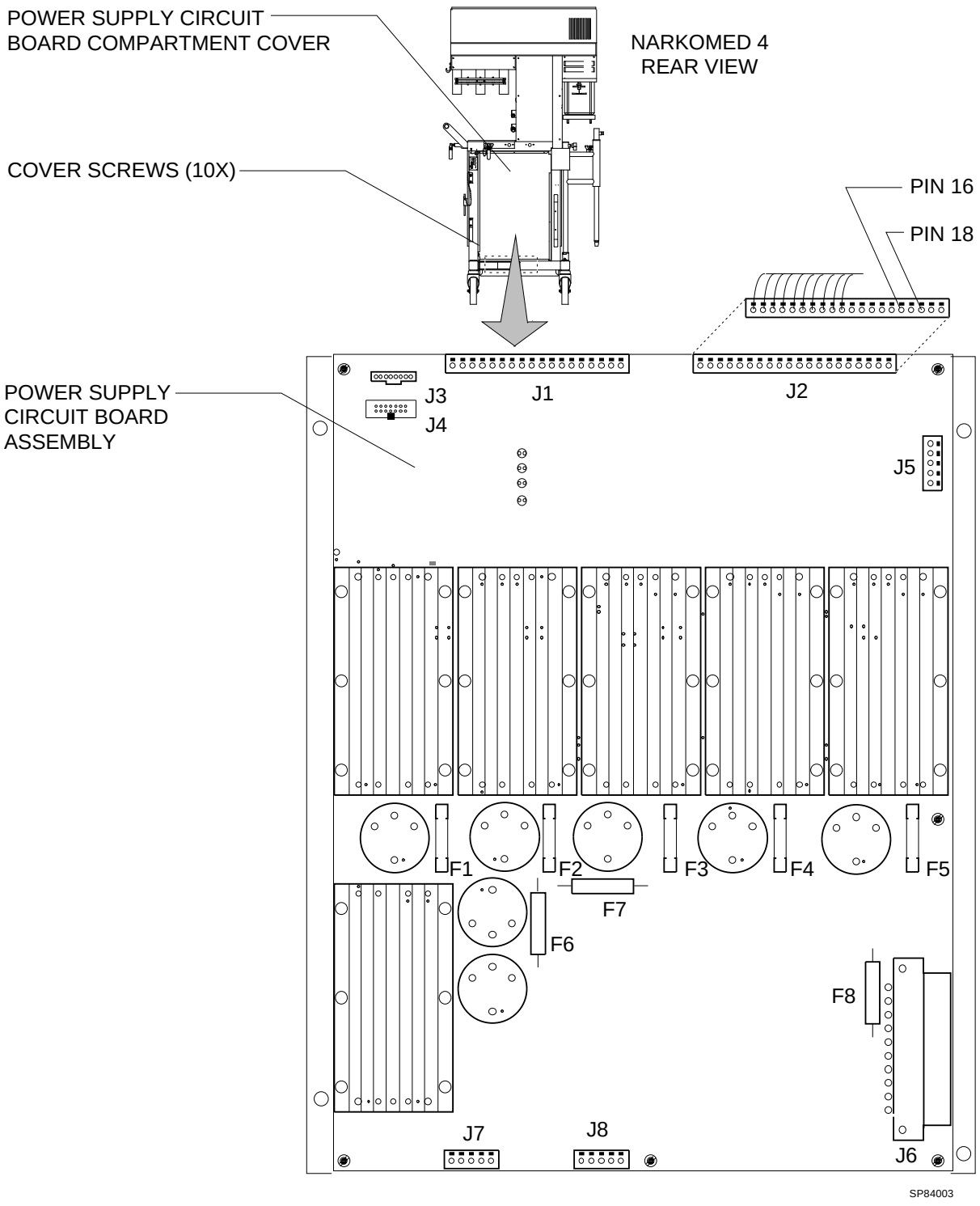


Figure 3: POWER SUPPLY (J2) WIRE HARNESS CHANGES

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